

(19)



Canadian
Intellectual Property
Office

An Agency of
Industry Canada

Office de la Propriété,
Intellectuelle
du Canada

Un organisme
d'Industrie Canada

(11)

CA 2 310 556

(13)

A1

(40) 07.10.2001

(43) 07.10.2001

(12)

(21) 2 310 556

(51) Int. Cl. 7:

B65D 19/32

(22) 07.04.2000

(71)

HARIRI, ALISGHAR,
24 Taha Alley
Ehsan closed Park Mehr Ave.
Ammar St., Niavaran, TEHRAN, XX (IR).

(72)

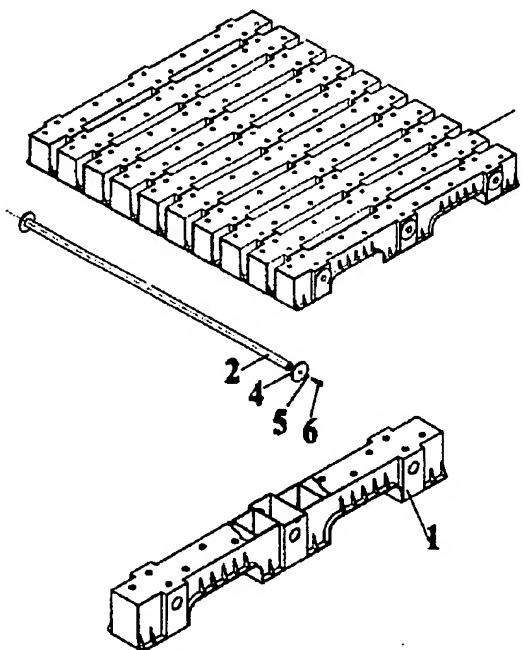
HARIRI, ALISGHAR (IR).

(54) PALLETTE MODULAIRE EN PLASTIQUE

(54) PLASTIC MODULAR PALLET

(57)

This design relates to the Plastic Modular Pallet, and comprising a certain number of Main Segments (1), three Tie-Rods (2), and the auxiliary parts (3,4,5,6,7,8). This Plastic Modular Pallet is easily assembled by inserting the three Tie-Rods (2), through the holes of the Main Segments(1), and tightened by bolts (6), Fig.1. The variety of pallets dimension can be arranged by change, the number of segments in any set.





Office de la Propriété
Intellectuelle
du Canada

Un organisme
d'Industrie Canada

Canadian
Intellectual Property
Office

An agency of
Industry Canada

CA 2310556 A1 2001/10/07

(21) 2 310 556

(12) DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION

(13) A1

(22) Date de dépôt/Filing Date: 2000/04/07

(41) Mise à la disp. pub./Open to Public Insp.: 2001/10/07

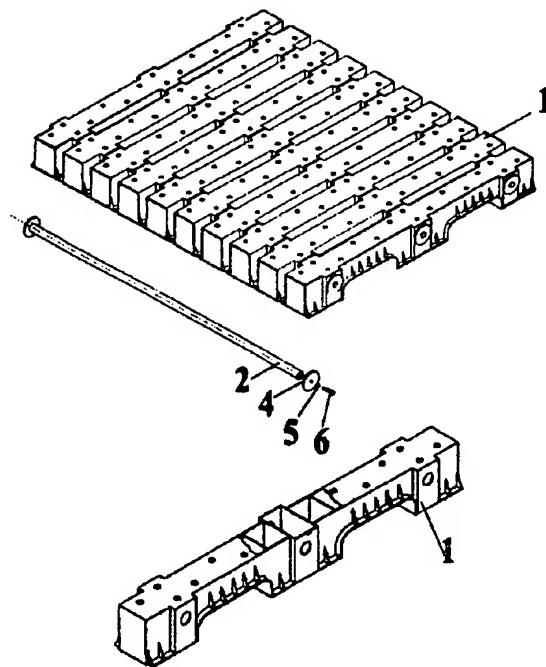
(51) Cl.Int.⁷/Int.Cl.⁷ B65D 19/32

(71) Demandeur/Applicant:
HARIRI, ALISGHAR, IR

(72) Inventeur/Inventor:
HARIRI, ALISGHAR, IR

(54) Titre : PALLETTE MODULAIRE EN PLASTIQUE

(54) Title: PLASTIC MODULAR PALLET



(57) Abrégé/Abstract:

This design relates to the Plastic Modular Pallet, and comprising a certain number of Main Segments (1), three Tie-Rods (2), and the auxiliary parts (3,4,5,6,7,8). This Plastic Modular Pallet is easily assembled by inserting the three Tie-Rods (2), through the holes of the Main Segments(1), and tightened by bolts (6), Fig.1. The variety of pallets dimension can be arranged by change, the number of segments in any set.

Canada

<http://opic.gc.ca> · Ottawa-Hull K1A 0C9 · <http://cipo.gc.ca>

OPIC · CIPPO 191

OPIC



CIPPO

Plastic Modular Pallet

Abstract:

This design relates to the Plastic Modular Pallet, and comprising a certain number of Main Segments (1), three Tie-Rods (2), and the auxiliary parts (3,4,5,6,7,8) .

This Plastic Modular Pallet is easily assembled by inserting the three Tie-Rods (2), through the holes of the Main Segments(1), and tightened by bolts (6), Fig.1.

The variety of pallets dimention can be arranged by change, the number of segments in any set.

Plastic Modular Pallet

Specification:

The pallet is one of the most important equipments in transportation.

Mainly, there are three types of pallets as below:

1- Wooden Pallet

This pallet is using from many years ago, and has many disadvantages as, destroying the forest, fire problem, transfer the bugs and bacteria, and...., but is cheaper and also is not recycleable .

2-Steel Pallet

This pallet is very heavy, expensive, and due to corrosion can not be used in food and pharmaceutical industries.

3-Plastic Pallet

The plastic pallet is using in passed 20 years, but has some limitation to be used in a wide range, especially in cost point of view.

NEW DESIGN

The Plastic Modular Pallet comprises a certain number of Main Segments(1), three Tie-Rods (2), and the other auxiliary parts (3,4,5,6,7,8) for assembling the pallets.

The Main Segment(1) is made by plastic polymer and manufactured by plastic mold injection machine, and the Tie-Rod (2) is made by steel or plastic material.

Many sizes and types of the Plastic Modular Pallets are manufactured by using only one or two types of segmets, therefore comprising to the existing plastic pallets the production cost is decreased considerably.

The Plastic Modular Pallet is designed in four types as below:

1-Two Sides Pallet

This pallet is assembled by a certain number of Main Segments (1), and three Tie-Rods (2), and be tightened by parts (4,5,6) and be used in heavy load transportation, this design has two sides access for Lift-Truck, Fig.1.

2- Four Sides Pallet

This Pallet is a normal load and is manufactured by using the Short Segment(3), and has four sides access for Lift-Truck, Fig.2.

3-Four Sides Pallet with Bottom Plate

Due to some material transportation and in accordance to the user requirement the Bottom Plates(7) is assembled, Fig.3.

4-Light Load Pallet

This Pallet is assembled for light load transportation, by using the same Main Segments (1) and the Plastic Pipe Spacers (8),it meanse , the same size of Pallet ,but less weight and low cost, Fig.4 .

Plastic Modular Pallet

Claims:

- 1-The Plastic Modular Pallet comprises a certain number of Main Segments(1), three Tie-Rods(2), and the other auxiliary parts (3,4,5,6,7,8),are shown in Figures 1,2,3,4.
- 2-The Pallet defined in Claim 1,is easily assembled in many dimentions by using only one size of Main Segment(1).
- 3- The Pallet defined in Claim 1 and Claim 2,can be manufactured for heavy load transportation Fig.1, or for light load transportation Fig.4, by using the same Main Segments(1), and Spacers(8).
- 4-The Pallet defined in Claim 1, is reparable in case of damage,and recyclable in case of renew.

Plastic Modular Pallet

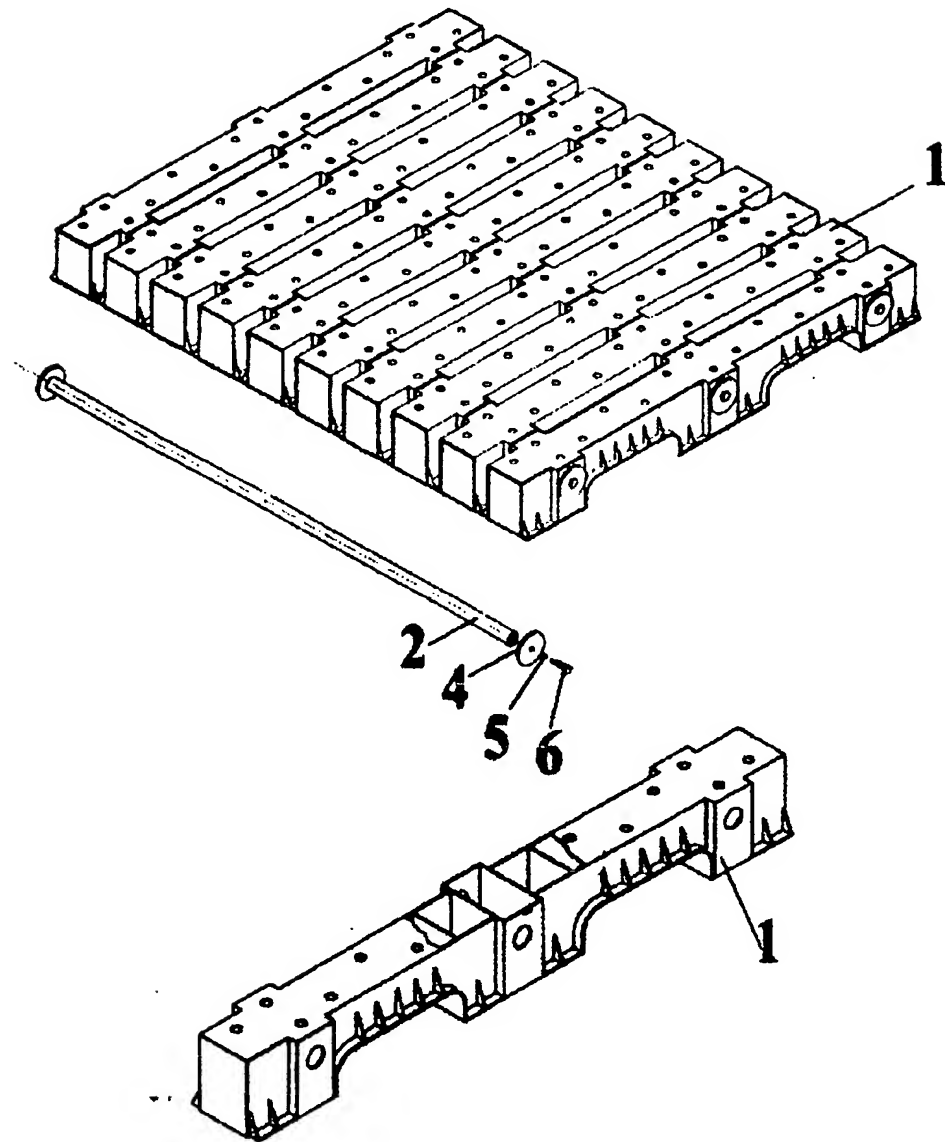


Fig. 1

Plastic Modular Pallet

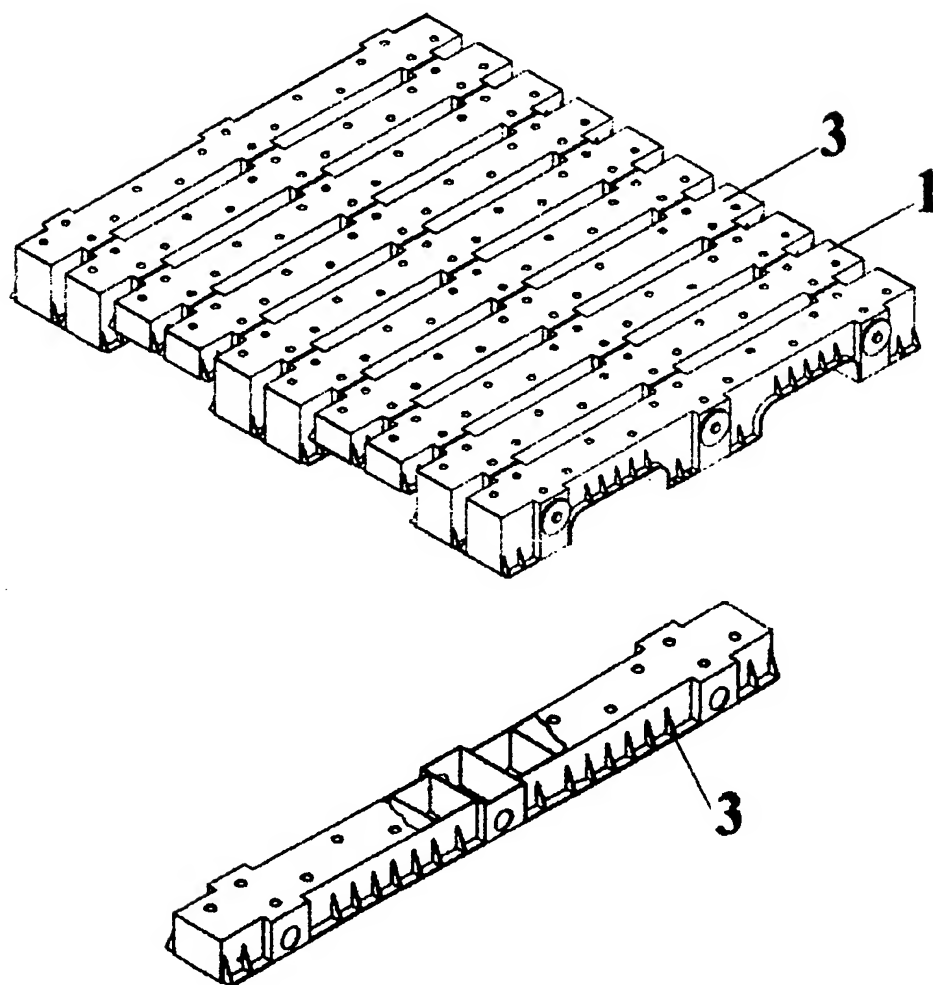


Fig.2

Plastic Modular Pallet

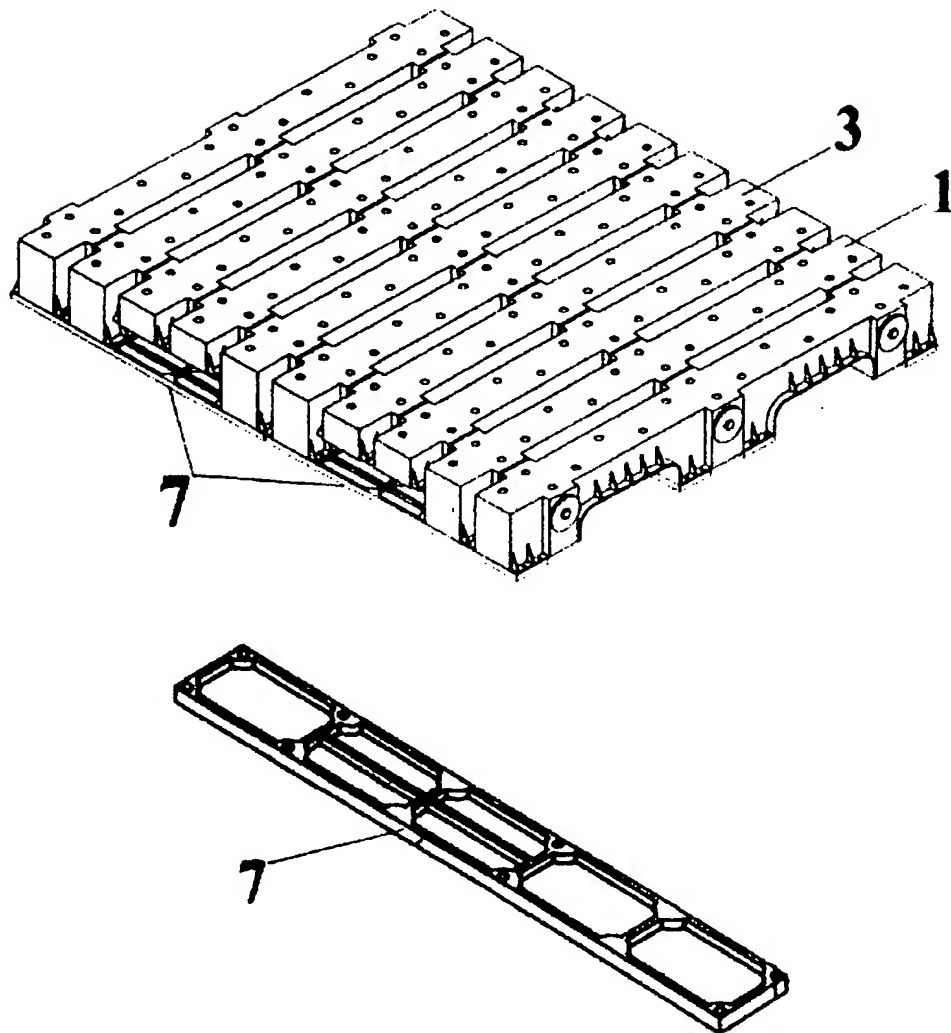


Fig. 3

Best Available Copy

Plastic Modular Pallet

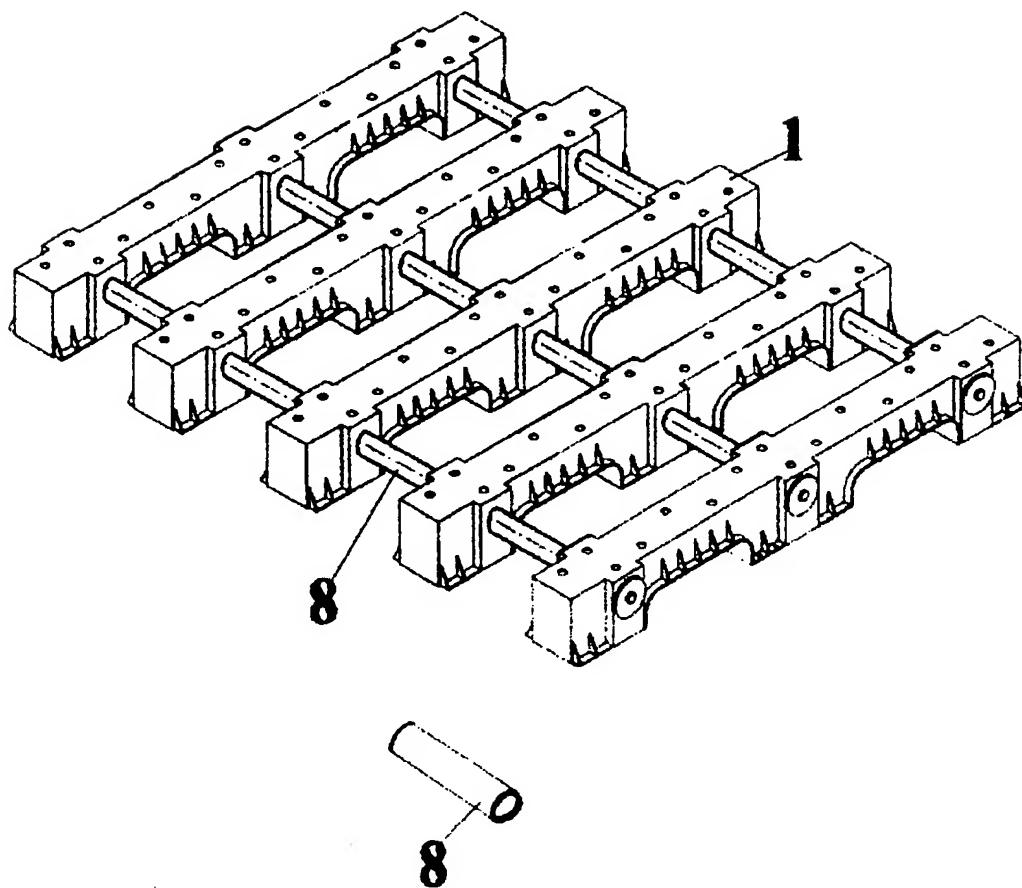
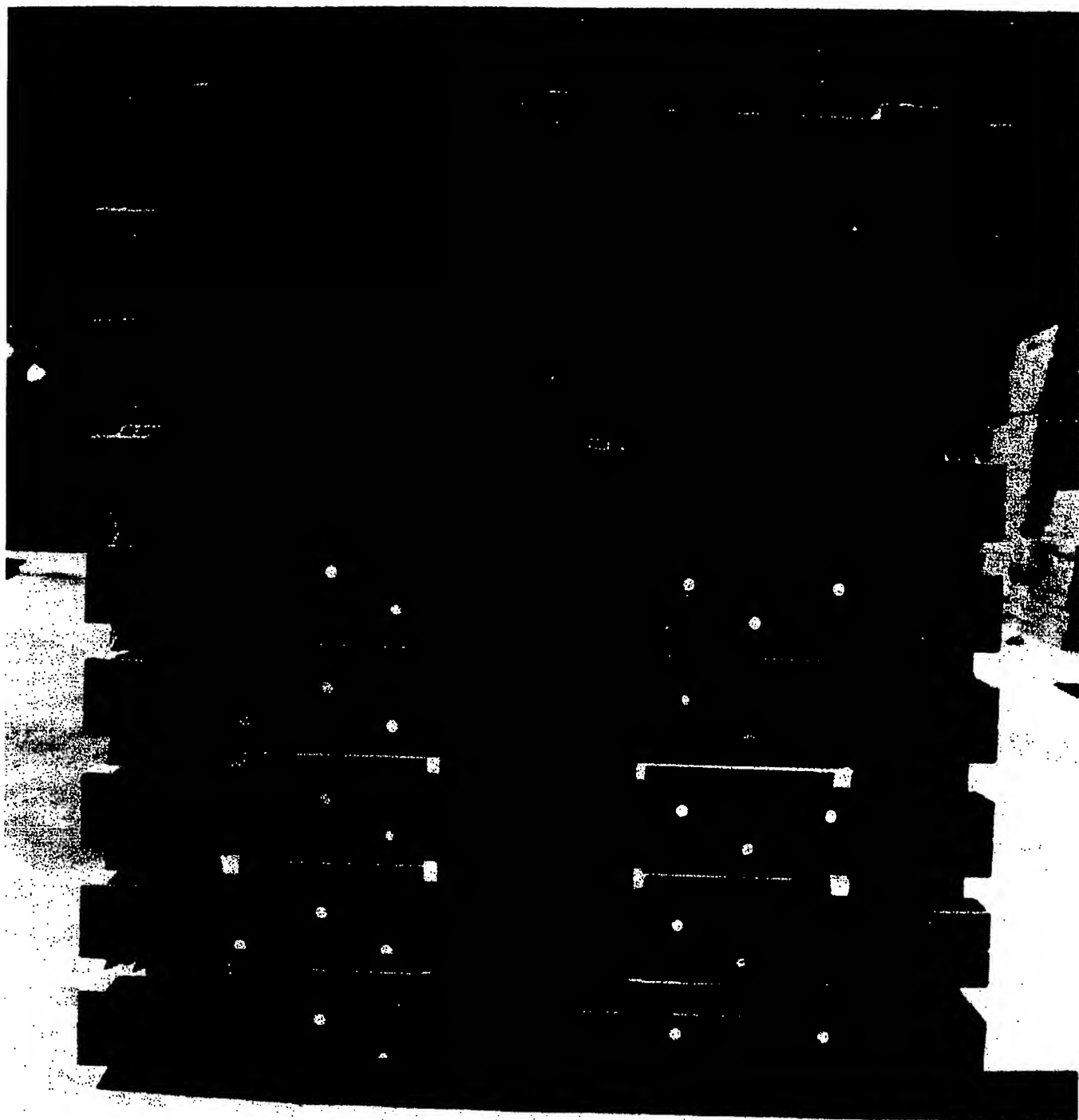


Fig. 4

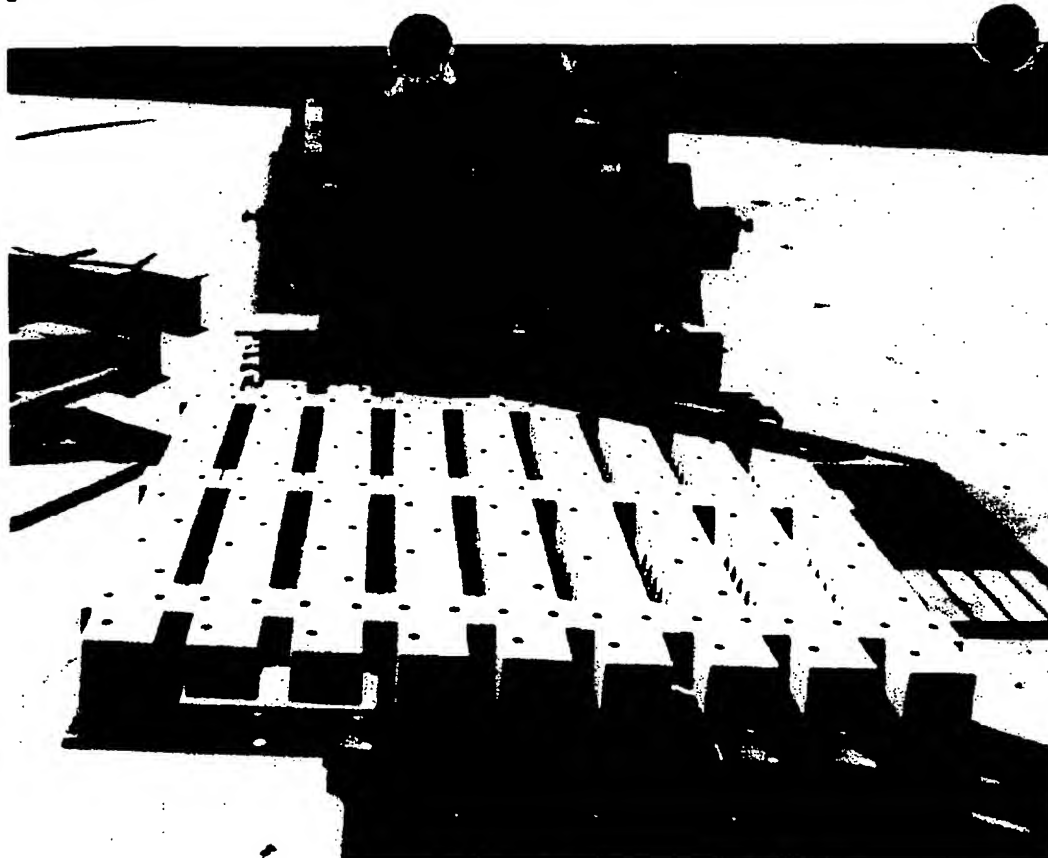
Best Available Copy



Best Available Copy



Best Available Copy



Best Available Copy